

Improvements in single vibrating tube transducers

Patent number: DE3883168T
Publication date: 1994-02-10
Inventor: STANSFELD JAMES WOLRYCHE (GB); ATKINSON DAVID IAN HEATON (GB)
Applicant: SCHLUMBERGER IND LTD (GB)
Classification:
- **International:** G01N9/00; G01F1/84
- **European:** G01F1/84; G01N9/00B
Application number: DE19883883168T 19881118
Priority number(s): GB19870027100 19871119

Also published as:

EP0317340 (A2)
US4962671 (A1)
JP1189520 (A)
GB2212613 (A)
EP0317340 (A3)

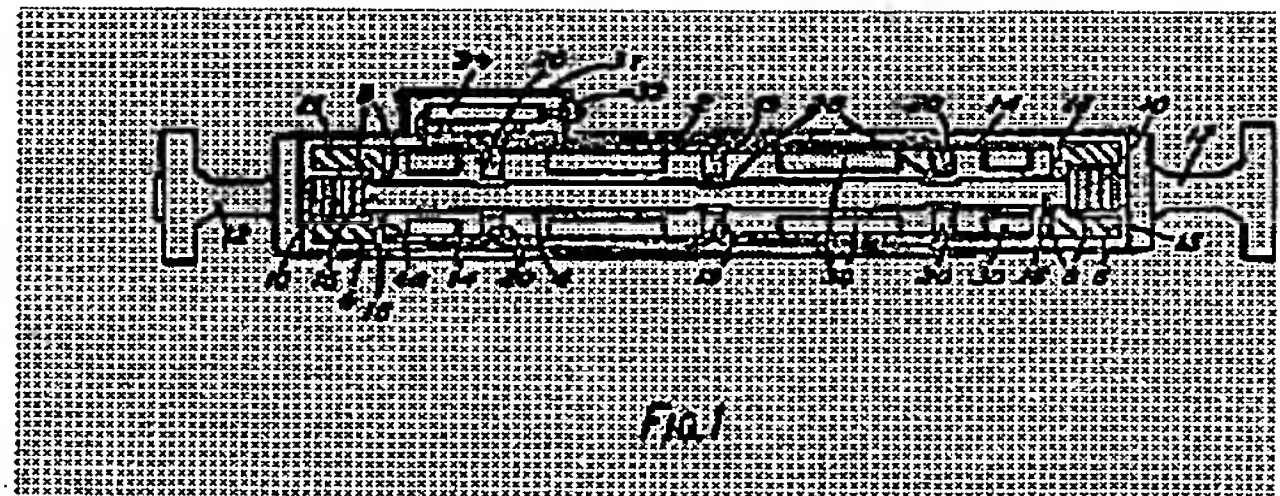
more >>

Report a data error he

Abstract not available for DE3883168T

Abstract of corresponding document: **EP0317340**

A single vibrating tube transducer comprises a tube (4) held between two nodal masses (6) which are attached to the tube (4) close to their respective centres of gravity (16). Each nodal mass (6) has an extended portion (14) which is attached at its free end to the opposing nodal mass by an arrangement of metal ligaments (18). Vibrating means (19) and sensing means (20) drive and detect the tube motion respectively. The tube has discontinuities (28) adjacent to the vibrating means (19) and the sensing means (20), to ensure the desired mode of resonance is achieved. Acoustic baffles (30) prevent inaccuracies due to internal acoustic resonance in the transducer.



Data supplied from the **esp@cenet** database - Worldwide